DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD		TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
)	
	•	111

EX

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	000000 000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00		NN NN NN NN NN NN NNN NN NNNN NN NNNN NN NN NN NN NN NN NN NN	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	•
	\$				

ED'

••••••••••••••••••

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER: [EDT. SRC]FCOLINC.BLI:1

```
O %TITLE 'EDTSFCOLING - compute formatted character width'
0002
          MODULE EDTSFCOLING (
                                                                        ! Compute formatted character width
                               IDENT = 'V04-000'
                                                                                    ! File: FCOLINC.BLI Edit: JBS1008
0004
                               ) =
0005
          BEGIN
0006
0007
                   **********
8000
       1 1+
0009
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       1 !*
0010
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0028
                             0029
0030
0031
0032
            FACILITY:
                               EDT -- The DEC Standard Editor
0034
             ABSTRACT:
0035
0036
                    Compute formatted character width.
0037
0038
            ENVIRONMENT: Runs at any access mode - AST reentrant
0039
0040
             AUTHOR: Bob Kushlis, CREATION DATE: March 18, 1979
0041
0042
             MODIFIED BY:
            1-001 - Original. DJS 19-FEB-1981. This module was created by extracting routine EDT$$FMT_CHWID from module FORMAT. 1-002 - Regularize headers. JBS 05-Mar-1981
0044
0045
0046
            1-003 - Change length of form feed string. STS 08-0ct-1981
1-004 - Add support for DEC STD 169. JBS 11-Aug-1982
1-005 - Remove ''.L32''. JBS 12-Aug-1982
1-006 - Add conditional for VT220 support. JBS 10-Feb-1983
1-007 - Deduce the width of unusual characters from their representation table. JBS 04-Mar-1983
0047
0048
0049
0050
0051
0052
          ! 1-008 - Correct the computation for characters on an 8-bit terminal. JBS 07-Mar-1983
0053
0054
```

EDT\$FCOLING - compute formatted character width 16-Sep-1984 00:19:37 14-Sep-1984 12:23:04

```
EDT$FCOLING - compute formatted character width 16-Sép-1984 00:19:37 Declarations 14-Sep-1984 12:23:04
                                                                                                                               VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[EDT.SRC]FCOLINC.BLI;1
EDTSFCOLING
V04-000
                      0055 1 %SBTTL 'Declarations' 0056 1 ! TABLE OF CONTENTS:
     56
57
     58
59
                      0058 1 !
0059 1
     6666666666777777777778888888888890
                       0060
                               1 REQUIRE 'EDTSRC:TRAROUNAM';
                       0499
                               1 FORWARD ROUTINE
1 EDT$$FMT_CHWID;
                       0500
                       0501
                      0502
0503
                       0504 1 ! INCLUDE FILES:
                       0505
                      0506
0507
0642
0643
                               1 REQUIRE 'EDTSRC:EDTREQ';
                                1 LIBRARY 'EDTSRC: SUPPORTS':
                      0644
0645
0646
0647
                               1 LIBRARY 'EDTSRC:TRANSLATE';
                       0648
0649
                                     MACROS:
                      0650 1
0651 1
0652 1
0653 1
                                              NONE
                                     EQUATED SYMBOLS:
                      0654 1
0655 1
0656 1
0657 1
                                              NONE
                                     OWN STORAGE:
                      0658
                                              NONE
                      0659 1
                      0660
                                     EXTERNAL REFERENCES:
                       0661 1 !
0662 1 !
     91
                                              In the routine
```

ED1

; 1

```
EDT$FCOLING - compute formatted character width 16-Sep-1984 00:19:37 EDT$$FMT_CHWID - compute formatted character w 14-Sep-1984 12:23:04
                                                                                                              VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[EDT.SRC]FCULINC.BLI;1
EDT$FCOLINC
V04-000
                              *XSBTTL 'EDT$$FMT_CHWID - compute formatted character width'
    94
95
                    0664
                              GLOBAL ROUTINE EDT$$FMT_CHWID (
                                                                                           ! Compute formatted character width
   96
97
98
99
100
                    0666
0667
0668
0669
                                                                                             Character whose width to compute
                                   CHAR,
                                   COLUMN
                                                                                           ! Current column (for tabs)
                                   ) =
                    0670
0671
0672
0673
                              ! FUNCTIONAL DESCRIPTION:
   102
103
104
105
                                        This routine computes the number of character positions a character would
                    0674
                                        take to display at a specified column.
                    0675
                    0676
                                FORMAL PARAMETERS:
   106
   107
                    0677
                    0678
   108
                                                            The character to be displayed.
                                  CHAR
                    0679
   109
                    0680
   110
                                  COLUMN
                                                            The starting column. (O is the first column on a line)
   111
                    0681
                    0682
0683
                                IMPLICIT INPUTS:
   113
                    0684
   114
                                        EDT$$A US TXT
                                        EDTSSG_EIGHT_BIT
                    0685
   115
                    0686
   116
                    0687
   117
                                IMPLICIT OUTPUTS:
                    0688
   118
   119
                    0689
                                        NONE
                    0690
   120
121
123
124
125
126
127
128
129
130
                    0691
                                ROUTINE VALUE:
                    0692
0693
                                        The number of chraracter positions the character would occupy.
                    0694
                    0695
                                SIDE EFFECTS:
                    0696
                    0697
                                        NONE
                    0698
                    0699
                    0700
                    0701
                                   BEGIN
   132
133
134
                    0702
                    0703
                                   EXTERNAL
                    0704
   135
                 L 0705
                              XIF SUPPORT_VT220
   136
137
                    0706
                              XTHEN
                    0707
                                        EDT$$G_EIGHT_BIT, ! 1 = this is an eight-bit terminal EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE], ! Table of information about characters
   138
139
                    0708
                 U 0709
                              XELSE
   140
                 U 0710
                                        EDT$$B_CHAR_INFO : BLOCKVECTOR [128, 1, BYTE], ! Table of information about characters
   141
                    0711
                              XF 1
   142
                    0712
0713
                                        EDT$$A_CHAR_NAMES,
EDT$$K_CHAR_NAMES_LEN,
EDT$$A_US_TXT : VECTOR;
                                                                                           ! Names of some characters
                    0714
   144
                                                                                           ! Length of the names table
   145
                    0715
   146
                    0716
   147
                    0717
                                   LOCAL
                    0718
   148
                                        (;
```

ED VO

```
C 10
EDISFCOLING - compute formatted character width 16-Sep-1984 00:19:37
EDTSFCOLING
                                                                                                            VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[EDT.SRC]FCOLINC.BLI;1
V04-000
                   EDT$$FMT_CHWID - compute formatted character w 14-Sep-1984 12:23:04
                                  C = .CHAR:
   150
151
153
153
156
157
158
159
                   0721
0722
                             %IF ( NOT SUPPORT_VT220)
                 U 0723
U 0724
0725
                           2 THEN
                                  C = .C AND %x'7F';
                             XF I
                    0726
                    0727
                                  SELECTONE .C OF SET
                    0728
                    0729
   160
161
162
163
                    0730
                                       [ASC_K_TAB] :
                    0731
                                            RETURN (8 - (.COLUMN MOD 8));
                   0732
0733
                                       [ASC K FF] : BEGIN
   164
                    0734
                    0735
   166
                    0736
                                            LOCAL
   167
                    0737
                                                 LEN:
   168
                    0738
   169
                    0739
                                            LEN = CH$RCHAR (.EDT$$A_US_TXT [1]);
   170
                    0740
                                            RETURN (.LEN);
   171
                    0741
                                            END:
   172
173
                   0742
                                       [OTHERWISE] :
   174
                    0744
                                            BEGIN
                    0745
   176
177
                    0746
                                            LOCAL
                    0747
                                                 LEN;
   178
                    0748
   179
                    0749
                                            CASE .EDT$$B_CHAR_INFO [.C, 0, 2, 2, 0] FROM 0 TO 3 OF
   180
   181
   182
183
                                                 [0]:
                                                      RETURN (1);
                                                                                         ! Normal character
   184
   185
                                                 [1]:
   186
187
                                                      RETURN (2);
                                                                                         ! ^c
   188
                                                 [2]:
   189
                    0759
                                                      BEGIN
                                                                                        ! <name>
   190
                    0760
   191
                    0761
                                                      LOCAL
   192
193
194
195
                                                           REP PTR
                    0762
                    0763
                                                           REP_CHAR;
                    0764
                 L 0765
                             XIF SUPPORT_VT220
   196
197
                    0766
                             THEN
                   0767
0768
   198
199
                                                      IF (.EDT$$G_EIGHT_BIT AND (.C GEQ %X'AO'))
                   0768
0769
0770
0771
0772
0773
0774
0775
                                                      THEN
   200
201
202
203
204
                                                           RETURN (1)
                                                      ELSE
                           4 XF1
                                                           REP_PTR = CH$PLUS (CH$FIND_CH (EDT$$K_CHAR_NAMES_LEN, EDT$$A_CHAR_NAMES, .C), 1);
   205
                                                           LEN = 2;
```

```
EDTSFCOLING - compute formatted character width 16-Sep-1984 00:19:37 EDTSSFMT_CHWID - compute formatted character w 14-Sep-1984 12:23:04
EDTSFCOLING
                                                                                                          VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                          DISK$VMSMASTER:[EDT.SRC]FCOLING.BLI;1
   207
208
209
                                                         PEP_CHAR = CH$RCHAR_A (REP_PTR);
                   0778
                   0779
                                                          WHILE ((.REP_CHAR GEQ %x'20') AND (.REP_CHAR LEQ %x'7E')) DO
   210
211
212
213
214
                   0780
                                                              BEGIN
                   0781
                                                              LEN = .LEN + 1;
                                                              REP_CHAR = CHSRCHAR_A (REP_PTR);
                   0782
0783
                                                              END:
                   0784
   215
                   0785
                                                         RETURN (.LEN);
   216
                   0786
                                                         END:
                   0787
   0788
                                                     END:
                   0789
                   0790
                                                [3]:
                   0791
                                                     RETURN (5);
                                                                                       ! <Xnn>
                  0792
0793
                                                TES:
                   0794
                                           END:
                   0795
                                      TES:
   226
227
                  0796
0797
                                 END:
                                                                                      ! of routine EDT$$FMT_CHWID
                                                                                         .TITLE EDT$FCOLINC EDT$FCOLINC - compute formatted cha
                                                                                                                 racter width
                                                                                         .IDENT \V04-000\
                                                                                         .EXTRN
                                                                                                  EDT$$G_EIGHT_BIT
EDT$$B_CHAR_INFO
                                                                                         .EXTRN
                                                                                         .EXTRN
                                                                                                  EDT$$A_CHAR_NAMES
                                                                                         .EXTRN
                                                                                                  EDT$$K_CHAR_NAMES_LEN
                                                                                         .EXTRN
                                                                                                  EDT$$A_US_TXT
                                                                                         .PSECT
                                                                                                   _EDT$CODE,NOWRT, SHR, PIC,2
                                                                  000C 00000
                                                                                         .ENTRY
                                                                                                  EDT$$FMT_CHWID, Save R2,R3
                                                                                                                                                          0665
                                                                                                  CHAR, C
C, #9
1$
                                               51
                                                                    DO 00002
                                                                                                                                                          0720
                                                                                         MOVL
                                               09
                                                                51
                                                                    D1 00006
                                                                                                                                                          0730
                                                                                         CMPL
                                                                10
                                                                    12
                                                                        00009
                                                                                         BNEQ
                             00
50
50
                                                                                                  #1, COLUMN, #0, -(SP)
             7E
50
                                        08
                                                                01
                                                                    7 A
                                                                        0000B
                                                                                                                                                          0731
                                                                                         EMUL
                                                                                                  #8, (SP)+, RO, RO
RO, #8, RO
                                               8E
08
                                                                    7B
                                                                        00011
                                                                                         EDIV
                                                                50
                                                                    C3
                                                                        00016
                                                                                         SUBL 3
                                                                    04 0001A
                                                                                         RET
                                               00
                                                                    D1
                                                                        0001B 15:
                                                                                         CMPL
                                                                                                  C, #12
2$
                                                                                                                                                          0733
                                                                    12
                                                                        0001E
                                                                                         BNEQ
                                               50 00000000G
                                                               00
                                                                    DO 00020
                                                                                                  EDT$$A_US_TXT+4, RO (RO), EEN
                                                                                                                                                          0739
                                                                                         MOVL
                                               50
                                                                60
                                                                    9A 00027
                                                                                         MOVZBL
                                                                    04 0002A
                                                                                         RET
                                                                                                                                                          0740
                                                                                                  #2, #2, EDT$$B_CHAR_INFO[C], R3
R3, #0, #3
6$-3$,-
             53 00000000G0041
                                               00
                                                                       0002B 2$:
                                                                    EF
                                                                                         EXTZV
                                                                                                                                                          0791
                                                                    ČF
                                                                                         CASEL
          004F
                           000E
                                            A000
                                                             001E
                                                                        00039 38:
                                                                                         .WORD
                                                                                                  4$-3$,-
                                                                                                  5$-3$,-
                                                                                                   105-35
                                                                                         BRB
                                                                                                   #2, RO
                                               50
                                                                    DO 00043 45:
                                                                                         MOVL
                                                                     04 00046
                                                                                         RET
```

: Routine Size: 140 bytes, Routine Base: _EDT\$CODE + 0000

228 0798 1 229 0799 1 !<BLF/PAGE> 231 0800 1 END 232 0801 1 233 0802 0 ELUDOM

_EDT\$CODE

PSECT SUMMARY

Name Bytes Attributes

140 NOVEC, NOWRY, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

Library Statistics

	Symbols			Pages	Processing	
File	Total	Loaded	Percent	Mapped	Time	
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2	
\$255\$DUA28:[EDT.SRC]PSECTS.L32:1	2	Ī	5Ŏ	7	00:00.1	
\$255\$DUA28:[EDT.SRC]SUPPORTS.L32:1	Ž	1	50	5	00:00.1	
\$255\$DUA28:[EDT.SRC]TRANSLATE.L32:1	6	0	0	57	00:00.1	

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:FCOLINC/OBJ=OBJS:FCOLINC MSRCS:FCOLINC.BLI/UPDATE=(ENHS:FCOLINC

Size: 140 code + 0 data bytes Run Time: 00:13.0

; Elapsed Time: 00:15.0 ; Elapsed Time: 00:16.3 ; Lines/(PU Min: 3712 ; Lexemes/(PU-Min: 10694 ; Memory Used: 78 pages ; Compilation Complete 0133 AH-BT13A-SE

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